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International Radiation Detectors Inc.

SXUV Series Photodiodes SXUV Series

Silicon p-n junction photodiodes with platinum silicide front entrance windows have been developed by International Radiation Detectors for detection of XUV photons (energy range 4 eV to 12 keV). These devices have been specifically developed for photon detection with high flux levels like those encountered in the third and the fourth generation synchrotrons and the excimer lasers. The SXUV series diodes are fabricated by an ULSI (Ultra Large Scale Integrated Circuit) compatible process and their construction is shown in the following figure.

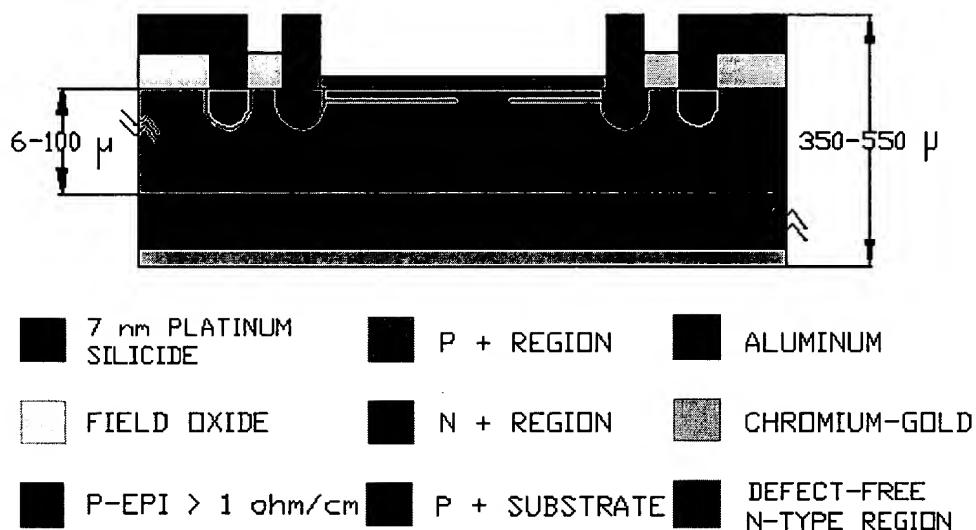


Fig. 1: Cross - Section of the SXUV Photodiodes

Developed in collaboration with NIST, NIH

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